

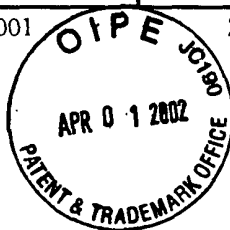


UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING/RECEIPT DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NUMBER
10/013,071	12/10/2001	Zhaoning Zhu	IN01174

24265
SCHERING-PLOUGH CORPORATION
PATENT DEPARTMENT (K-6-1, 1990)
2000 GALLOPING HILL ROAD
KENILWORTH, NJ 07033-0530



CONFIRMATION NO. 1388

FORMALITIES LETTER



OC00000007329573

Date Mailed: 01/18/2002

NOTICE TO FILE MISSING PARTS OF NONPROVISIONAL APPLICATION

FILED UNDER 37 CFR 1.53(b)

Filing Date Granted

An application number and filing date have been accorded to this application. The item(s) indicated below, however, are missing. Applicant is given **TWO MONTHS** from the date of this Notice within which to file all required items and pay any fees required below to avoid abandonment. Extensions of time may be obtained by filing a petition accompanied by the extension fee under the provisions of 37 CFR 1.136(a).

- The oath or declaration is unsigned.
- To avoid abandonment, a late filing fee or oath or declaration surcharge as set forth in 37 CFR 1.16(l) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.
- The balance due by applicant is \$ 130.

A copy of this notice MUST be returned with the reply.

ma
Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE

04/03/2002 BABRAK1 00000022 190365 10013071

01 FC:105 130.00 CH

PATENT DEPARTMENT RECEIVED	
JAN 25 2000	
ROUTE TO COMMENTS	
<input checked="" type="checkbox"/>	COMPUTER INPUT
<input checked="" type="checkbox"/>	BZA
<input checked="" type="checkbox"/>	DEBIT NOTE ENTERED
COMPLETED	BY <i>SK</i>



UNITED STATES PATENT AND TRADEMARK OFFICE

COMMISSIONER FOR PATENTS
UNITED STATES PATENT AND TRADEMARK OFFICE
WASHINGTON, D.C. 20231
www.uspto.gov

APPLICATION NUMBER	FILING DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO.	DRAWINGS	TOT CLAIMS	IND CLAIMS
10/013,071	12/10/2001	1614	2538	IN01174		94	5

24265
SCHERING-PLOUGH CORPORATION
PATENT DEPARTMENT (K-6-1, 1990)
2000 GALLOPING HILL ROAD
KENILWORTH, NJ 07033-0530



CONFIRMATION NO. 1388
FILING RECEIPT



OC00000007329572

Date Mailed: 01/18/2002

Receipt is acknowledged of this nonprovisional Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Customer Service Center. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).

Applicant(s)

Srikanth
Zhaoning Zhu, East Windsor, NJ;
Zhong-Yue Sun, Parlin, NJ;
Srikanth Venkatraman, Woodbridge, NJ;
F. George Njoroge, Warren, NJ;
Ashok Arasappan, Bridgewater, NJ;
Bruce A. Malcolm, Westfield, NJ;
Viyyoor M. Girjavallabhan, Parsippany, NJ;
Raymond G. Lovey, West Caldwell, NJ;
Kevin X. Chen, Iselin, NJ;

*Missing Parts
Due:
March 18, 2002*

Assignment For Published Patent Application

SCHERING CORPORATION;

Domestic Priority data as claimed by applicant

THIS APPLN CLAIMS BENEFIT OF 60/254,869 12/12/2000

Foreign Applications

If Required, Foreign Filing License Granted 01/14/2002

Projected Publication Date: To Be Determined - pending completion of Missing Parts

Non-Publication Request: No

Early Publication Request: No

PATENT DEPARTMENT
RECEIVED
JAN 20 2002
ROUTE TO
COMMENTS
☒ COMPUTER INPUT
☐ BZA
☐ DEBIT NOTE ENTERED
COMPLETED BY *[Signature]*



PATENT IN01174

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
Zhu *et al*) Examiner: To Be Assigned
Application No.: 10/013,071) Group Art Unit: 1614
Filed: December 10, 2001)
For:)
DIARYL PEPTIDES AS NS3-SERINE PROTEASE INHIBITORS OF HEPATITIS C VIRUS

Assistant Commissioner For Patents
Attention: Customer Service Center- Initial Patent Examination Division
Washington, D.C. 20231

MISSING PARTS AND CORRECTION OF FILING RECEIPT

Sir:

The subject non-provisional patent application, Serial No. 10/013,071 was filed on December 10, 2001. At the time of filing, the signed Declaration/Power of Attorney from the inventors was missing. Applicants are now filing the Declaration and Power of Attorney, signed by the inventors. A copy of the "Notice to File Missing Parts of Non-Provisional Application" is attached. The Office is authorized to charge the \$ 130.00 fee to Account Number 19-0365. Additionally, a one-month late fee of \$ 110.00 may be charged to the same Charge Account.

Furthermore, the Filing Receipt received in this case needs to be corrected for the following mistakes:

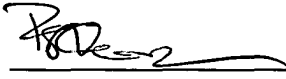
The first name of inventor Venkatraman should be corrected to "Srikanth". A copy of the filing receipt with the corrections marked thereon is attached.

Please send a corrected filing receipt.

If there are any questions, the Office is invited to contact the undersigned.

March 21, 2002
Schering-Plough Corporation
2000 Galloping Hill Road
Patent Department, K-6-1,1990
Kenilworth, NJ 07033
Tel: (908) 298-5068
Fax: (908) 298-5388

Respectfully submitted,



Dr. Palaiyur S. Kalyanaraman
Attorney for Applicants
Reg. No. 34,634

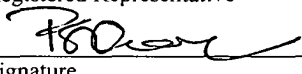
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231.

3/21/02

Date of Deposit

PALAIYUR S. KALYANARAMAN

Registered Representative



Signature

3/21/02

Date of Signature



#3 Release

Please type a plus sign (+) inside this box → ☐

PTO/SB/21 (6-98)
Approved for use through 09/30/2000. OMB 0651-0031
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL FORM <i>(to be used for all correspondence after initial filing)</i>	Application Number	10/013,071	
	Filing Date	12/10/01	
	First Named Inventor	ZHU, et al.	
	Group Art Unit	1614	
	Examiner Name	To Be Assigned	
Total Number of Pages in This Submission	13	Attorney Docket Number	IN01174

ENCLOSURES (check all that apply)		
<input checked="" type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached	<input type="checkbox"/> Assignment Papers (for an Application)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Amendment / Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s)	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
<input checked="" type="checkbox"/> Extension of Time Request	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)
<input type="checkbox"/> Express Abandonment Request	<input type="checkbox"/> Petition Routing Slip (PTO/SB/69) and Accompanying Petition	<input type="checkbox"/> Proprietary Information
<input type="checkbox"/> Information Disclosure Statement	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Status Letter
<input type="checkbox"/> Certified Copy of Priority Document(s)	<input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address	<input checked="" type="checkbox"/> Additional Enclosure(s) (please identify below)
<input checked="" type="checkbox"/> Response to Missing Parts/Incomplete Application <input checked="" type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Terminal Disclaimer	Filing Receipt Return Post Card
	<input type="checkbox"/> Small Entity Statement	
	<input type="checkbox"/> Request for Refund	
Remarks		

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT	
Firm or Individual name	SCHERING-PLOUGH CORPORATION PATENT DEPARTMENT, K-6-1-1990 PALAIYUR S. KALYANARAMAN
Signature	
Date	March 21, 2002

CERTIFICATE OF MAILING	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on this date: March 21, 2002	
Typed or printed name	PALAIYUR S. KALYANARAMAN
Signature	
Date	March 21, 2002

⊕ Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Express Mail Label No.:

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/17 (10-01)
 Approved for use through 10/31/2002. OMB 0651-0032
 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT

(\$ 240.00)

Compleat if Known

Application Number	10/013,071
Filing Date	12/10/01
First Named Inventor	ZHU, et al
Examiner Name	To Be Assigned
Group Art Unit	1614
Attorney Docket No.	IN01174

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit
Account
Number

19-0365

Deposit
Account
Name

Schering-Plough Corporation

- ☒ Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17

☐ Applicant claims small entity status.
See 37 CFR 1.27

2. ☐ Payment Enclosed:

☐ Check ☐ Credit card ☐ Money
Order ☐ Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) (\$)

2. EXTRA CLAIM FEES

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20** =	X	
Multiple Dependent	-3** =	X	

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$)

**or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee (\$)	Small Entity Fee Code	Small Entity Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	\$130.00
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for <i>ex parte</i> reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	\$110.00
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify)

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$ 240.00)

SUBMITTED BY

Name (Print/Type) PALAIYUR S. KALYANARAMAN

Registration No.
(Attorney/Agent)

34634

Complete (if applicable)

Telephone (908)298-5068

Signature

Date

March 21, 2002

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.